ABSTRACT

Systems and methods for enhancement layer transcoding of fine-granular scalable video bitstreams are described. In one aspect, an enhancement layer bitstream is decoded from encoded video data. The encoded video data includes a base layer and one or more enhancement layers. The encoded video data is encoded according to a high HQRB (high quality reference bit-rate). Data throughput characteristics of a network coupled to a client computing device are determined. A new HQRB is calculated based on the data throughput characteristics. The decoded enhancement layer bitstream is then encoded based on the new HQRB to generate a transcoded enhancement layer for streaming to the client computing device. The base layer is not decoded for streaming to the client computing device.